THOMSON MULTI MEDIA

AUDIO

Brandt FERGUSON SABA TELEFUNKEN THOMSON

**PARTS LIST**
**LISTE PIECES DETACHEES**
**ERSATZTEILLISTE**
**LISTA PARTI DI RICAMBIO**
**LISTA DE PIEZAS DE REPUESTO**

# THOMSON VTCD850 Chassis CRKD1287

## MODULES

| | | | |
|---|---|---|---|
| **MAIN** | **MAIN** | **R** | **55035970** |
| **KDB** | **DISPLAY/CONTROL** | **R** | **55035980** |
| **POWE** | **POWER** | **R** | **55035990** |
| **SVB** | **CD** | **R** | **55076370** |

| | | |
|---|---|---|
| **IC**001,002 | LB1641 **(CD)** | 20656300 |
| **IC**001 | AN7238 **(MAIN)** | 10057840 |
| **IC**002 | LM7001 **(MAIN)** | 20334880 |
| **IC**003 | TA7358AP | 10384690 |
| **IC**004 | BU1924F | 55048400 |
| **IC**300 | AN7348K | 20693340 |
| **IC**301 | TDA7439 | 35096300 |
| **IC**302 | BA7755A | 10214460 |
| **IC**501 | TDA7269 | 10348790 |
| **IC**701 | UPD780204GF-069-3BA FLAT | 55063770 |
| **IC**702 | M24C01BN6 | 20924140 |
| **IC**703 | KIA7042AP | 20977940 |
| **IR**701 | RPM6957-V4 | 55049790 |

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|---|---|---|
| **PI**01,02,03,05,06 | RPI-574 | 20586840 |
| **PI**04 | GP2S28 | 20556130 |
| **Q**001,009,010,014,016 | KTA1504GR SMD | 20779750 |
| **Q**003,004,005,006,007,012,013,015 | KTC3875GR SMD | 20779850 |
| **Q**008 | KTC3880 O SMD | 55050950 |
| **Q**009,014 | KTA1298Y SMD | 55050930 |
| **Q**305,702,802 | KTC3203Y | 20538220 |
| **Q**306,501,707 | KRC107S SMD | 55051240 |
| **Q**703 | KTA1504Y | 20970480 |
| **Q**704,705 | KTC3875Y | 20970460 |

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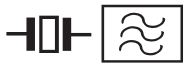
|---|---|---|
| **D**006,007,210 | SVC201SP | 10281340 |
| **D**015,211,212,718,719,720,721,722,805,806,807,808,809,821,**J**126 | 1N4148 | 44009209 |
| **D**403 | 1N5239B | 20454630 |
| **D**701 | 1N5232B | 20414280 |
| **D**716 | LTL4261N LED | 20506170 |
| **D**801,802,803,804 | 1N4001 | 16008160 |
| **D**816,817,818 | BY296 | 16008470 |
| **D**819 | BZX55C7V5 | 80444150 |
| **D**820 | BZX55B30 | 20475340 |



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|---|---|---|
| **TF**001 | 10,7MHZ | 35042190 |
| **X**001 | 4M332HZ | 55050710 |
| **Y**001 | 10M7HZ | 20702430 |
| **Y**002 | 7M2HZ | 10281350 |
| **Y**201 | 450KOHZ | 10281230 |
| **Y**701 | 4M19HZ | 20776150 |

| | | |
|---|---|---|
| **L**001 | | 10281320 |
| **L**002 | | 10281260 |
| **L**006 | | 10281250 |
| **L**801 | | 70182000 |
| **SVC**01 | | 55060590 |

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|---|---|---|
| **RV**001,340 | 4K7 OHM | 10368440 |
| **RV**341 | 200R0 OHM | 20498490 |

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| **C**013 | 5PF2/30PF | 20325810 |
| **C**015,019 | 11P0F | 10280980 |

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|---|---|---|
| **T**001 | | ⚠ 55053070 |
| **T**002 | | ⚠ 55056640 |

## OTHER PARTS
## AUTRES PIECES
## SONSTIGE TEILE
## ALTRE PARTI
## OTRAS PIEZAS

| | | |
|---|---|---|
| **F**800,801 | 2A5T TIME-LAG FUSE<br>2A5T FUSIBLE TEMPORISE<br>2A5T THERMISCHE SICHERUNG<br>2A5T FUSIBILE TEMPORIZZATO<br>2A5T FUSIBLE TEMPORIZADO | ⚠ 10246750 |
| **F**802,804 | 1A6T TIME-LAG FUSE<br>1A6T FUSIBLE TEMPORISE<br>1A6T SICHERUNG<br>1A6T FUSIBILE TEMPORIZZATO<br>1A6T FUSIBLE TEMPORIZADO | ⚠ 48064700 |
| **NJ**301 | ANTENNA SOCKET AM<br>PRISE ANTENNE AM<br>ANTENNENBUCHSE AM<br>PRESA ANTENNA AM<br>TOMA DE ANTENA AM | 35051440 |
| **NJ**501 | HEADPHONE SOCKET<br>PRISE CASQUE<br>KOPFHOERERBUCHSE<br>PRESA JACK<br>TOMA JACK | 20369030 |
| **NJ**514 | LOUDSPEAKER SOCKET<br>PRISE HAUT PARLEUR<br>LAUTSPRECHERBUCHSE<br>PRESA ALTOPARLANTE<br>TOMA HEMBRA ALTAVOZ | 20604680 |
| **NJ**515 | LOUDSPEAKER SOCKET<br>PRISE HAUT PARLEUR<br>LAUTSPRECHERBUCHSE<br>PRESA ALTOPARLANTE<br>TOMA HEMBRA ALTAVOZ | 55060580 |
| **RLY**01 | RELAY<br>RELAIS<br>RELAIS<br>RELEE<br>RELEE | ⚠ 35095470 |

**R : RECYCLED PART**
**: PIECE RECYCLEE**
**: AUSTAUSCHTEILE**
**: RICAMBIO RICICLATO**
**: MODULO REPROCESADO**

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**04 / 2000** **35113280**
**REV. N° 0 00 / 00** **00000000**


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|---|---|---|
| **SW**701,702,<br>703,704,705,<br>706,707,708,<br>709,710,711,<br>712,713,714,<br>715,716,717,<br>718,719,720,<br>721,722,723,<br>724,725,726,<br>727,728,729 | MICROSWITCH<br>MICROCONTACTEUR<br>MIKROSCHALTER<br>MICROINTERRUTTORE<br>MICROCONTACTOR | 20404730 |
| **X**701 | DISPLAY LCD<br>AFFICHEUR LCD<br>LCD-ANZEIGE<br>VISUALIZZATORE LCD<br>VISUALIZADOR LCD | 55026550 |

## EQUIPMENT/PRESENTATION
## EQUIPEMENT/PRESENTATION
## AUSSTATTUNG/GEHAEUSE
## PARTI VARIE
## EQUIPO/PRESENTACION

| | |
|---|---|
| VTCD850 (REMOTE CONTROL)<br>VTCD850 (TELECOMMANDE)<br>VTCD850 (FERNBEDIENUNG)<br>VTCD850 (TELECOMANDO<br>VTCD850 (TELEMANDO) | 55057740 |
| POWER SUPPLY LEAD<br>CORDON D'ALIMENTATION<br>NETZKABEL<br>CAVO DI ALIMENTAZIONE<br>CABLE DE ALIMENTACION | ⚠ 10260820 |
| LOUDSPEAKER BOX ASSY RIGHT<br>ENCEINTE ACOUSTIQUE GAUCHE<br>LAUTSPRECHERBOX RECHTS<br>CASSA ACUSTICA DESTRA<br>CAJA ACUSTICA DERECHA | 35115200 |
| LOUDSPEAKER BOX ASSY LEFT<br>ENCEINTE ACOUSTIQUE GAUCHE<br>LAUTSPRECHERBOX LINKS<br>CASSA ACUSTICA SINISTRA<br>CAJA ACUSTICA IZQUIERDA | 35115210 |
| FRONT PANEL<br>FACADE<br>FRONTPLATTE<br>PANNELLO FRONTALE<br>PANEL FRONTAL | 55061220 |
| COVER UPPER<br>COUVERCLE SUPERIEUR<br>GEHAEUSE OBERTEIL<br>COPERCHIO SUPERIORE<br>TAPA SUPERIOR | ⚠ 55062110 |
| SIDE PANEL LEFT<br>PANNEAU LATERAL GAUCHE<br>SEITENTEIL LINKS<br>PANNELLO LATERALE SINISTRO<br>PANEL LATERAL IZQUIERDO | ⚠ 55056910 |
| SIDE PANEL RIGHT<br>PANNEAU LATERAL DROIT<br>SEITENTEIL RECHTS<br>PANNELLO LATERALE DESTRO<br>PANEL LATERAL DERECHO | ⚠ 55056920 |
| REAR PANEL<br>PANNEAU ARRIERE<br>SEITENTEIL HINTEN<br>PANNELLO POSTERIORE<br>PANEL POSTERIOR | ⚠ 55049980 |
| LOWER CASE ASSY<br>COFFRET INFERIEUR<br>GEHAEUSE UNTEN<br>CASSA INFERIORE<br>CAJA INFERIOR | 55050440 |
| CONTROL PANEL<br>TABLEAU DE COMMANDES<br>BEDIENTEIL<br>QUADRO DI COMANDO<br>TABLERO DE MANDO | 55061230 |
| CASSETTE FLAP DOOR LEFT<br>VOLET CASSETTE GAUCHE<br>CASSETTENKLAPPE LINKS<br>SPORTELLO CASSETTA SINISTRO<br>TAPA CASSETTE IZQUIERDO | 55057400 |
| CASSETTE FLAP DOOR RIGHT<br>VOLET CASSETTE DROIT<br>CASSETTENKLAPPE RECHTS<br>SPORTELLO CASSETTA DESTRO<br>TAPA CASSETTE DERECHO | 55057410 |
| COVER TRAY CD<br>CACHE TIROIR CD<br>ABDECKUNG SCHUBLADE CD<br>COPERCHIO CASSETTO CD<br>CUBIERTA CORREDERA CD | 55057420 |
| UPPER CASE WINDOW CD<br>GLACE AFFICHEUR CD<br>ANZEIGEFENSTER CD<br>VETRO DEL VISUALIZZATORE CD<br>CRISTAL DEL VISUALISADOR CD | 55044370 |
| TRAY CD TRIM<br>ENJOLIVEUR VOLET CD<br>ZIERRAHMEN CD KLAPPE<br>FINIZIONE SPORTELLO CD<br>EMBELLECEDOR DE TAPA CD | 55072920 |
| DISPLAY WINDOW TUNER<br>GLACE AFFICHEUR TUNER<br>ANZEIGEFENSTER TUNER<br>VETRO DEL VISUALIZZATORE TUNER<br>CRISTAL DEL VISUALIZADOR TUNER | 55044240 |
| CASSETTE FLAP WINDOW LEFT<br>GLACE VOLET CASSETTE GAUCHE<br>FENSTER CASSETTENKLAPPE LINKS<br>VETRO SPORTELLO CASSETTA SINISTRO<br>CRISTAL TAPA CASSETTE IZQUIERDO | 20996060 |
| CASSETTE FLAP WINDOW RIGHT<br>GLACE VOLET CASSETTE DROIT<br>FENSTER CASSETTENKLAPPE RECHTS<br>VETRO SPORTELLO CASSETTA DESTRO<br>CRISTAL TAPA CASSETTE DERECHA | 20996100 |
| BUTTON STRIP CD FUNCTIONS<br>BARRETTE TOUCHES 5T FONCTIONS CD<br>TASTENLEISTE CD-FUNKTIONEN<br>PIATTINA TASTI 5T FUNZIONI CD<br>PLACA DE TECLAS 5T FUNCIONES CD | 55045670 |
| TRAY CD CONTROL BUTTON ASSY<br>BARRETTE TOUCHES 2T CD/CDE TIROIR<br>TASTENLEISTE CD SCHUBEINHEIT<br>PIATTINA TASTI 2T COMANDI PORTA-DISCHI<br>PLACA DE TECLAS 2T MANDOS PORTADISCO | 55061490 |
| BUTTON HOLDER CD/TUNER/TAPE<br>SUPPORT TOUCHES CD/TUNER/TAPE<br>HALTER TASTE CD/TUNER/TAPE<br>SUPPORTO TASTO CD/TUNER/TAPE<br>SOPORTE TECLA CD/TUNER/TAPE | 55044410 |
| CD BUTTON FUNCTION<br>TOUCHE FONCTION CD<br>TASTE CD-FUNKTIONEN<br>TASTO FUNZIONI CD<br>TECLA FUNCIONE CD | 55048290 |
| TAPE BUTTON FUNCTION<br>TOUCHE FONCTION TAPE<br>TASTE TAPE-FUNKTIONEN<br>TASTO FUNZIONI TAPE<br>TECLA FUNCIONE TAPE | 55048270 |
| TUNER BUTTON FUNCTION<br>TOUCHE FONCTION TUNER<br>TASTE TUNER-FUNKTIONEN<br>TASTO FUNZIONI TUNER<br>TECLA FUNCIONE TUNER | 55048280 |
| ON/OFF BUTTON<br>TOUCHE MARCHE/ARRET<br>EIN-AUS TASTE<br>TASTO ACCESO/SPENTO<br>TECLA MARCHA/PARADA | 55061530 |
| BUTTON PRESET/EQ<br>TOUCHE PRESET/EQ<br>TASTE PRESET/EQ<br>TASTO PRESET/EQ<br>TECLA PRESET/EQ | 55056860 |
| BUTTON STRIP PROG/SET CD FUNCTIONS<br>BARRETTE TOUCHES 7T PROG/SET/CD<br>TASTENLEISTE PROG/SET CD-FUNKTIONEN<br>ASSIEME TASTI 7T PROG/SET FUNZIONI CD<br>CONJUNTO DE TECLAS 7T PROG/SET/CD | 55056850 |
| BUTTON HOLDER CD PLAY/STOP/REW/F.F<br>SUPPORT TOUCHES CD PLAY/STOP/REW/F.F<br>HALTER TASTE CD PLAY/STOP/REW/F.F<br>SUPPORTO TASTO CD PLAY/STOP/REW/F.F<br>SOPORTE TECLA CD PLAY/STOP/REW/F.F | 55044250 |
| CD BUTTON PLAY<br>TOUCHE LECTURE CD<br>CD-LAUFWERK TASTE PLAY<br>TASTO LETTURA CD<br>TECLA LECTURA CD | 55044270 |
| CD BUTTON STOP<br>TOUCHE STOP CD<br>CD-LAUFWERK TASTE STOP<br>TASTO STOP CD<br>TECLA STOP CD | 55044300 |
| CD BUTTON F.F<br>TOUCHE AVANCE RAPIDE CD<br>CD-LAUFWERK TASTE F.F<br>TASTO VELOCE AVANTI CD<br>TECLA AVANCE RAPIDO CD | 55044330 |
| CD BUTTON REW<br>TOUCHE REW CD<br>CD-LAUFWERK TASTE REW<br>TASTO REW CD<br>TECLA REW CD | 55044360 |
| BUTTON BASS BOOST<br>TOUCHE BASS BOOST<br>TASTE BASS BOOST<br>TASTO BASS BOOST<br>TECLA BASS BOOST | 55061510 |
| TUNING KNOB<br>BOUTON TUNER<br>TUNING KNOPF<br>ROTELLA DI PLASTICA TUNING<br>RUEDA PLASTICA MANDO TUNING | 55056870 |
| HOLDER BUTTON TUNING<br>SUPPORT TOUCHE TUNER<br>HALTER TUNING KNOPF<br>SUPPORTO TASTO TUNING<br>SOPORTE TECLA TUNING | 55056880 |
| VOLUME KNOB<br>BOUTON VOLUME<br>LAUTSTAERKEKNOPF<br>ROTELLA DI PLASTICA VOLUME<br>RUEDA PLASTICA MANDO VOLUMEN | 55056930 |
| HOLDER BUTTON VOLUME<br>SUPPORT TOUCHE VOLUME<br>HALTER LAUTSTAERKEKNOPF<br>SUPPORTO TASTO VOLUME<br>SOPORTE TECLA VOLUMEN | 20996370 |
| CASSETTE BUTTON RECORD<br>TOUCHE ENREGISTREMENT CASSETTE<br>CASSETTENLAUFWERK TASTE AUFNAHME<br>TASTO REGISTRAZIONE<br>TECLA GRABACION | 55056940 |
| CASSETTE BUTTON PLAY LEFT<br>TOUCHE DE LECTURE CASSETTE GAUCHE<br>CASSETTENLAUFWERK TASTE PLAY LINKS<br>TASTO LETTURA CASSETTA SINISTRA<br>TECLA LECTURA CASSETTE IZQUIERDA | 55056950 |
| CASSETTE BUTTON REW<br>TOUCHE REW CASSETTE<br>CASSETTENLAUFWERK TASTE REW<br>TASTO REW CASSETTA<br>TECLA REW CASSETTE | 55056960 |

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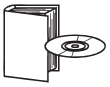
|---|---|
| CASSETTE BUTTON F.F<br>TOUCHE AVANCE RAPIDE CASSETTE<br>CASSETTENLAUFWERK TASTE F.F<br>TASTO VELOCE AVANTI CASSETTA<br>TECLA AVANCE RAPIDO CASSETTE | 55056970 |
| CASSETTE BUTTON STOP/EJECT LEFT<br>TOUCHE STOP/EJECT CASSETTE GAUCHE<br>CASSETTENLAUFWERK TASTE STOP/EJECT LINKS<br>TASTO STOP/EJECT CASSETTA SINISTRA<br>TECLA STOP/EJECT CASSETTE IZQUIERDA | 55056980 |
| CASSETTE BUTTON PAUSE<br>TOUCHE CASSETTE PAUSE<br>CASSETTENLAUFWERK TASTE PAUSE<br>TASTO CASSETTA PAUSA<br>TECLA CASSETTE PAUSA | 55056990 |
| CASSETTE BUTTON PLAY RIGHT<br>TOUCHE DE LECTURE CASSETTE DROITE<br>CASSETTENLAUFWERK TASTE PLAY RECHTS<br>TASTO LETTURA CASSETTA DESTRO<br>TECLA LECTURA CASSETTE DERECHO | 55057000 |
| CASSETTE BUTTON STOP/EJECT RIGHT<br>TOUCHE STOP/EJECT CASSETTE DROITE<br>CASSETTENLAUFWERK TASTE STOP/EJECT RECHT<br>TASTO STOP/EJECT CASSETTA DESTRA<br>TECLA STOP/EJECT CASSETTE DERECHA | 55057010 |
| CASSETTE HOLDER LEFT/RIGHT<br>PORTE CASSETTE GAUCHE/DROIT<br>CASSETTENHALTER LINKS/RECHTS<br>PORTACASSETTA DESTRO/SINISTRO<br>PORTACASSETTE DERECHO/IZQUIERDO | 55002760 |
| AM ANTENNA HOLDER<br>SUPPORT ANTENNE AM<br>AM ANTENNENHALTER<br>SUPPORTO ANTENNA AM<br>SOPORTE ANTENA AM | 20690520 |
| AM ANTENNA<br>ANTENNE AM<br>AM ANTENNE<br>ANTENNA AM<br>ANTENA AM | 20690640 |
| FITTING LEFT<br>CALE GAUCHE<br>POLSTER LINKS<br>DISTANZIATORE SINISTRO<br>CALZO IZQUIERDA | 55011320 |
| FITTING RIGHT<br>CALE DROITE<br>POLSTER RECHTS<br>DISTANZIATORE DESTRO<br>CALZO DERECHA | 55011330 |
| FOLDING BOX<br>EMBALLAGE CARTON<br>KARTON<br>IMBALLGGIO CARTONE<br>EMBALAJE CARTON | 55053650 |

# MECHANISM
# MECANIQUE
# MECHANIK
# MECCANICA
# MECANISMO

| | |
|---|---|
| TCM-125-0E OPTICAL PLAYER<br>TCM-125-0E LECTEUR OPTIQUE<br>TCM-125-0E CD-LAUFWERK<br>TCM-125-0E ASSIEME OTTICA<br>TCM-125-0E MECANISMO OPTICO | 10656490 |
| CD 5 DISC CHASSIS ASSY<br>CHASSIS CD 5 DISQUES EQUIPE<br>CHASSIS CD LASERPLATTE K.P.L<br>CHASSIS CD 5 DISCOS COMPLETO<br>CHASIS CD 5 DISCOS EQUIPADO | 55063400 |
| CASSETTE MECHANISM<br>MECANIQUE CASSETTE<br>CASSETTENLAUFWERK<br>MECCANICA CASSETTA<br>MECANISMO CASSETTE | 55066120 |
| EG-530YD-9BH MOTOR<br>EG-530YD-9BH MOTEUR<br>EG-530YD-9BH MOTOR<br>EG-530YD-9BH MOTORE<br>EG-530YD-9BH MOTOR | 10386840 |
| BUSH RUBBER CD FRONT<br>AMORTISSEUR CAOUTCHOUC CD AVANT<br>DAEMPFER GUMMI CD VORN<br>AMMORTIZZATORE DI GOMMA CD ANTERIORE<br>AMORTIGUADOR DE GOMA CD DELANTERA | 20446740 |
| BUSH RUBBER CD REAR<br>AMORTISSEUR CAOUTCHOUC CD ARRIERE<br>DAEMPFER GUMMI CD HINTEN<br>AMMORTIZZATORE DI GOMMA CD POSTERIORE<br>AMORTIGUADOR DE GOMA CD TRASERA | 20365070 |
| CASSETTE DOOR DAMPER GEAR<br>ROUE DENTEE PORTE CASSETTE<br>ZAHNRAD CASSETTENHALTER<br>RUOTA DENTATA PORTACASSETTA<br>RUEDA DENTADA PORTACASSETTE | 10039140 |
| SPRING TORSION HOLDER CASSETTE<br>RESSORT A EPINGLE VOLET CASSETTE<br>NADELFEDER CASSETTENKLAPPE<br>MOLLA DI TORSIONE PORTACASSETTA<br>RESORTE HORQUILLA PORTACASSETTE | 35016980 |



| | |
|---|---|
| CRKD1287 SERVICE MANUAL<br>CRKD1287 DOCUMENTATION TECHNIQUE<br>CRKD1287 TECHNISCHE DOKUMENTATION<br>CRKD1287 DOCUMENTAZIONE TECNICA<br>CRKD1287 DOCUMENTACION TECNICA | 35114830 |
| VTCD850 PARTS LIST<br>VTCD850 LISTE DE PIECES DETACHEES<br>VTCD850 ERSATZTEILLISTE<br>VTCD850 LISTA PARTI DI RICAMBIO<br>VTCD850 LISTA DE PIEZAS DE REPUESTO | 35113280 |
| VTCD850 UM TH<br>VTCD850 NU TH<br>VTCD850 BA TH<br>VTCD850 IU TH<br>VTCD850 IU TH | 55053700 |



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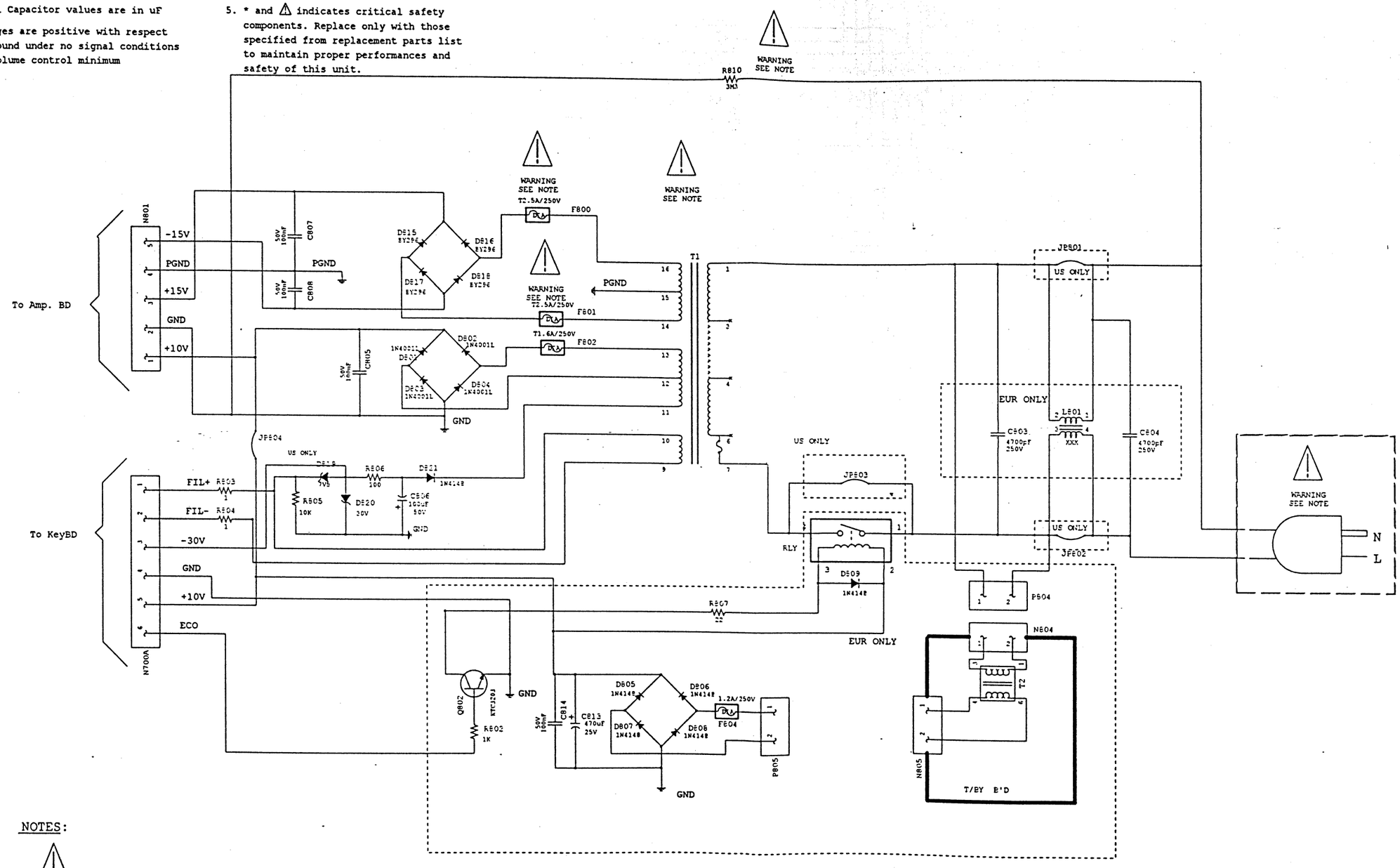
Thomson Consumer Electronics, Inc.
#####55036490
CONT ON SHEET F SH NO. 1
UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING:-
APPLIED PRACTICES | SURFACES | TOLERANCES ON MACHINED PARTS: FRACTIONS ± | DECIMALS ± | ANGLES ±
TITLE
SCHEMATIC POWER BD
FIRST MADE FOR CRKD1287
PAPER SIZE:C SIZE
FILENAME:1287APS1.SCH

NOTES:

1. Unless otherwise specified:
   A. All resistor values are in ohms, 1/4W
   B. All Capacitor values are in uF
2. Voltages are positive with respect to ground under no signal conditions and volume control minimum
3. Replace transistors with type specified from replacement parts list
4. Unless otherwise stated, all voltages taken in radio "on" position
5. * and ⚠ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.




NOTES:

⚠ WARNING SEE NOTE

COMPONENTS DESIGNATED BY THE SAFETY SYMBOL SHOULD, WHEN NECESSARY FOR REPAIR, BE REPLACED BY ORIGINAL PARTS,APPROVED BY THE MANUFACTURER. ONLY THEN CAN THE OPERATIONAL SAFETY BE GUARANTEED.

NOTE 2: N/C=NOT IN USE.

REVISIONS | PRINTS TO

| MADE BY | Yan Tao | APPROVALS | ENGINEERING (DIV OR DEPT) | 55036490 |
|---|---|---|---|---|
| ISSUED | 26-SEP-90 | | TAGZ (LOCATION) | CONT ON SHEET F SH NO. 1 |

01

THOMSON MULTI MEDIA Audio & Communication

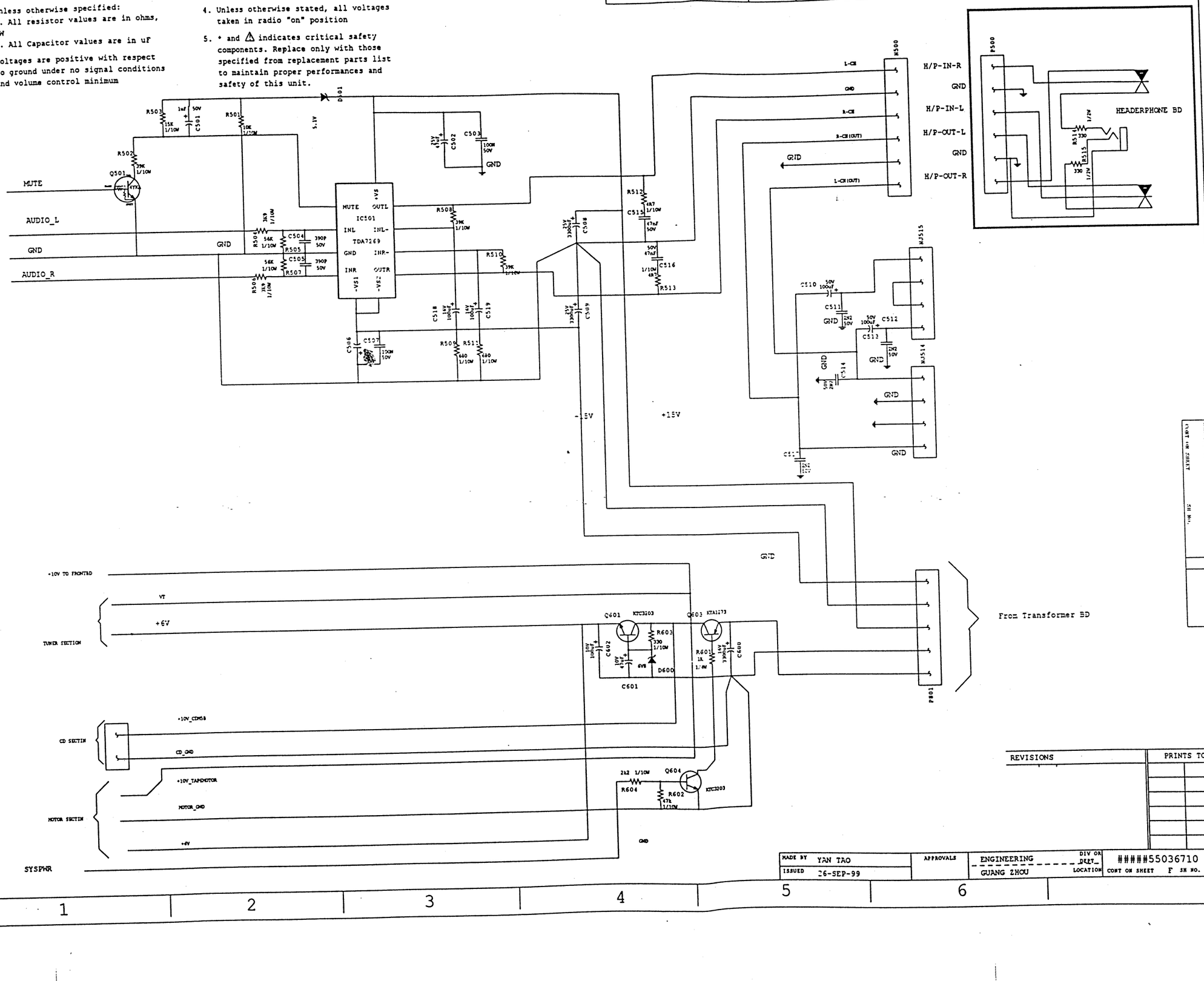
#####55036710
CONT ON SHEET F SH NO. 3

UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING:-
APPLIED PRACTICES | SURFACES | TOLERANCES ON MACHINED PARTS: FRACTIONS ± | DECIMALS ± | ANGLES ±

TITLE
SCHEMATIC(MAIN BD)
FIRST MADE FOR CRKD1287 PAPER SIZE :C SIZE

NOTES:

1. Unless otherwise specified:
   A. All resistor values are in ohms, 1/10W
   B. All Capacitor values are in uF
2. Voltages are positive with respect to ground under no signal conditions and volume control minimum
3. Replace transistors with type specified from replacement parts list
4. Unless otherwise stated, all voltages taken in radio "on" position
5. * and ⚠ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.




REVISIONS | PRINTS TO

| MADE BY | YAN TAO | APPROVALS | ENGINEERING | DIV OR DEPT | #####55036710 |
|---|---|---|---|---|---|
| ISSUED | 26-SEP-99 | | GUANG ZHOU | LOCATION | CONT ON SHEET F SH NO. 3 |

NOTES:

1. Unless otherwise specified:
   A. All resistor values are in ohms, 1/10W
   B. All Capacitor values are in uF
2. Voltages are positive with respect to ground under no signal conditions and volume control minimum
3. Replace transistors with type specified from replacement parts list
4. Unless otherwise stated, all voltages taken in radio "on" position
5. * and ⚠ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.

PLAYBACK
DECK A

REC/PLAYBACK
DECK B

BIAS OSC

IC300 AN7340K

IC302 BA7755A

TAPE MOTOR

THOMSON MULTI MEDIA AUDIO & COMMUNICATION

#####55036710

COMT ON SHEET 3 SH NO. 2

| UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING:- | | | | | |
|---|---|---|---|---|---|
| APPLIED PRACTICES | SURFACES | TOLERANCES ON MACHINED PARTS FRACTIONS ± | DECIMALS ± | ANGLES ± | COMT ON SHEET SH NO. |
| | ✓ | | | | |

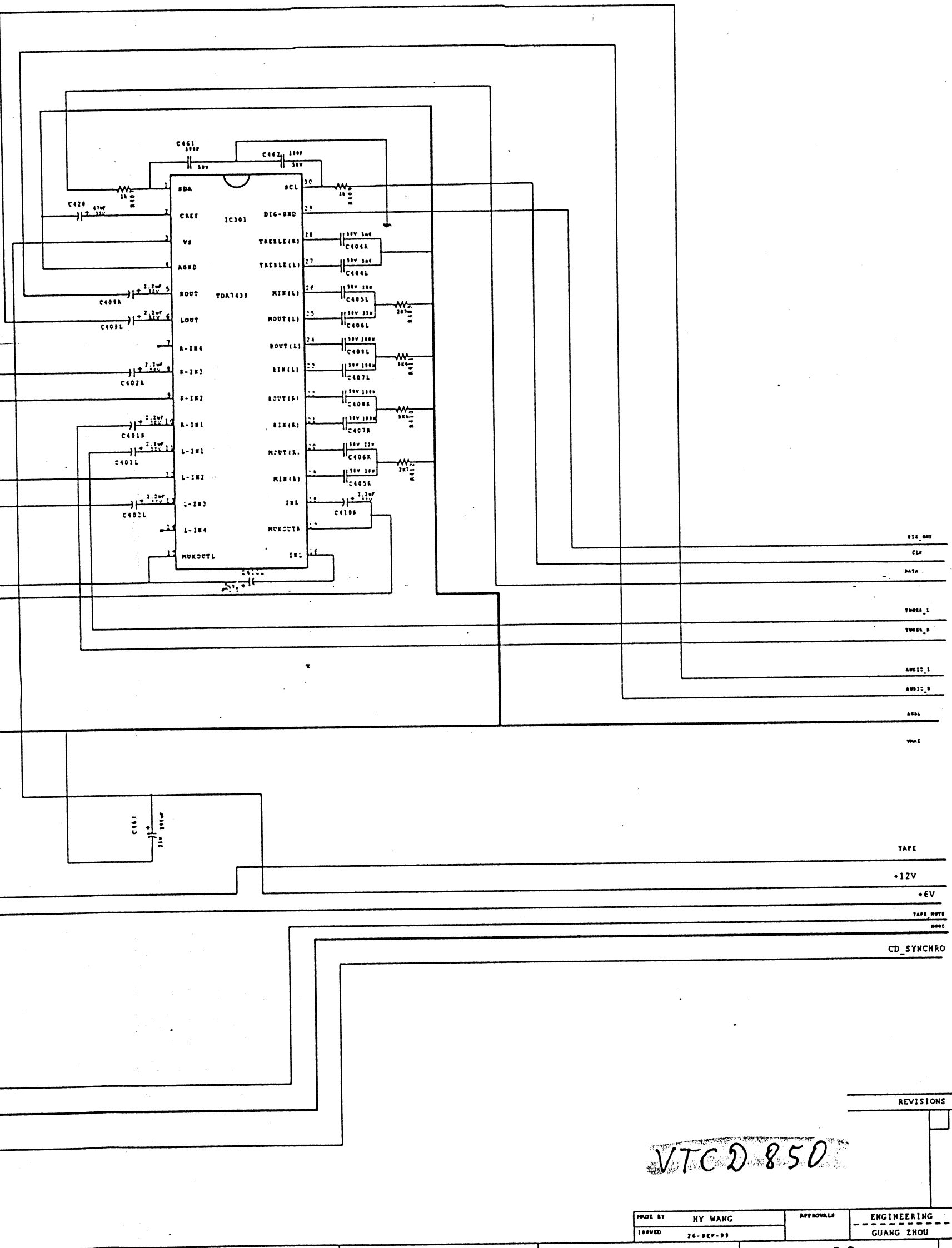
TITLE

SCHEMATIC (MAIN BD).

FIRST MADE FOR CRKD1287

PAPER SIZE : C SIZE

FILENAME:1287AMS2.SCH




VTCD850

| REVISIONS | PRINTS TO |
|---|---|
| | |

| MADE BY HY WANG | APPROVALS | ENGINEERING DIV OR DEPT | #####55036710 |
|---|---|---|---|
| ISSUED 26-SEP-99 | | GUANG ZHOU LOCATION | COMT ON SHEET 3 SH NO. 2 |

THOMSON MEDIA AUDIO & COMMUNICATIONS

| UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING:- | | | | | |
|---|---|---|---|---|---|
| APPLIED PRACTICES | SURFACES | TOLERANCES ON MACHINED PARTS: FRACTIONS ± | DECIMALS ± | ANGLES ± | CONT ON SHEET / SH NO. |

TITLE: SCHEMATIC (MAIN BD).

FIRST MADE FOR CRKD1267

PAPER SIZE : C SIZE

FILENAME:11267AMS2.SCH

#####55036710

CONT ON SHEET 3 SH NO. 2

NOTES:

1. Unless otherwise specified:
   A. All resistor values are in ohms, 1/10W
   B. All Capacitor values are in uF
2. Voltages are positive with respect to ground under no signal conditions and volume control minimum
3. Replace transistors with type specified from replacement parts list
4. Unless otherwise stated, all voltages taken in radio "on" position
5. * and ⚠ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.

PLAYBACK
DECK A

REC/PLAYBACK
DECK B

BIAS OSC

BIAS OSC

RECORD L

RECORD R

L

R

IC301 TDA7439

IC302 BA7755A

IC303 BA7244E

TAPE MOTOR

TAPE

+12V

+6V

CD_SYNCHRO

VTCD 850

| REVISIONS | PRINTS TO |
|---|---|

| MADE BY | APPROVALS | ENGINEERING | SIZE / SHEET |
|---|---|---|---|
| HY WANG | | GUANG ZHOU | LOCATION |
| ISSUED 26-DEP-99 | | | CONT ON SHEET 3 SH NO. 2 |

#####55036710

Thomson Consumer Electronics, Inc.

UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING:-
APPLIED PRACTICES | SURFACES ✓ | TOLERANCES ON MACHINED PARTS: FRACTIONS ± | DECIMALS ± | ANGLES ±

TITLE: SCHEMATIC MAIN BD
FIRST MADE FOR: CKRD1287
PAPER SIZE: C SIZE
FILENAME: 1287AMS1.SCH

55036710 CONT ON SHEET 2 DR NO. 1

NOTES:

1. Unless otherwise specified:
   A. All resistor values are in ohms, 1/4W
   B. All Capacitor values are in uF
2. Voltages are positive with respect to ground under no signal conditions and volume control minimum
3. Replace transistors with type specified from replacement parts list
4. Unless otherwise stated, all voltages taken in radio "on" position
5. * and ⚠ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.

TOKTU4.SCH

| MODE | PINS OF IC002 | | |
|---|---|---|---|
| | 7 | 8 | 9 |
| FM-STR | 1 | 0 | 1 |
| FN-MONO | 1 | 0 | 0 |
| MW | 0 | 1 | X |
| LW | 1 | 1 | X |

IC001 AN7238K

| PIN No. | PIN 1 | PIN 2 | PIN 3 | PIN 4 | PIN 5 | PIN 6 | PIN 7 | PIN 8 | PIN 9 | PIN 10 | PIN 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL | 3.0 | 0.2 | 1.2 | 2.3 | 3.0 | 3.0 | 0 | 1.2 | 2.3 | 2.3 | 3.0 |
| PIN No. | PIN 12 | PIN 13 | PIN 14 | PIN 15 | PIN 16 | PIN 17 | PIN 18 | PIN 19 | PIN 20 | PIN 21 | PIN 22 |
| VOL | 3.0 | 2.6 | 2.3 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |

IC003 TA7358P

| PIN | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | VCC |
|---|---|---|---|---|---|---|---|---|---|---|
| VOL (V) | 0.8 | 1.8 | VCC | 1.8 | GND | VCC | 6.4 | 4.8 | VCC | 9.1 |

IC003 AMPIN COM AMPOT MIX GND BUF OSC OSCOT VCC

IC001 AMOSC SD MIXOUT FMIFIN AMIFIN VCC2 LPF STLED VCO LCH RCH
AMRF SDLEV AFC VREF FMQDT VCC1 GND AGC FMDTOT MPXIN AMDTOT

FM ANT
AM LOOP ANT
AMRF
AMAGND
AGND
AM_VT
AM-RF BLOCK
For European Versions only
FOR EU VER ONLY
VT1
VT2
+6V
+10V CDPW
RD MUTE
TUNER_PWR
ST2
PLL CE
STA_DET
DATA
CLK
TAPE MUTE
TO KEY BOARD
VMAX
CD SYN
TAPE MUTE
TUNER-L
TUNER-R
+10V_SW
DGND
VT
SCL
SDA
PLL_CE

REVISIONS | PRINTS TO

| MADE BY | ZUO WEI | APPROVALS | ENGINEERING | DIV OR DEPT. |
|---|---|---|---|---|
| ISSUED | 2-JUN-99 | | GUANG ZHOU | LOCATION |

55036710 CONT ON SHEET 2 DR NO. 1

01

NOTES:

1. Unless otherwise specified:
   A. All resistor values are in ohms, 1/4W
   B. All Capacitor values are in uF
2. Voltages are positive with respect to ground under no signal conditions and volume control minimum
3. Replace transistors with type specified from replacement parts list
4. Unless otherwise stated, all voltages taken in radio "on" position
5. * and ⚠ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.

IC001 AN7238K

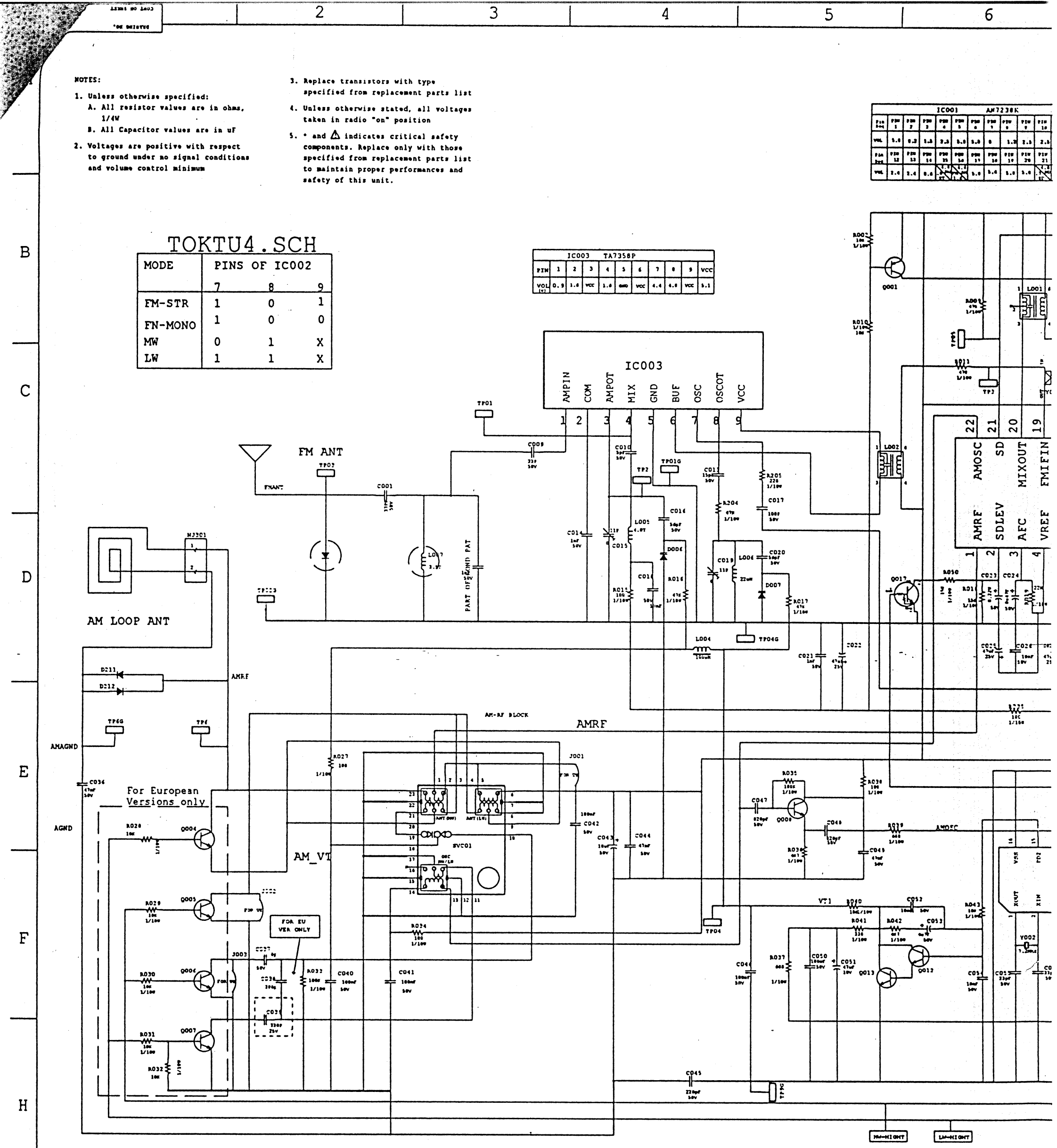
| PIN | PIN 1 | PIN 2 | PIN 3 | PIN 4 | PIN 5 | PIN 6 | PIN 7 | PIN 8 | PIN 9 | PIN 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| VOL | 5.0 | 0.3 | 1.5 | 2.3 | 5.0 | 5.0 | 0 | 1.2 | 2.5 | 2.5 |
| PIN | PIN 12 | PIN 13 | PIN 14 | PIN 15 | PIN 16 | PIN 17 | PIN 18 | PIN 19 | PIN 20 | PIN 21 |
| VOL | 2.4 | 2.4 | 0.6 | 2.4 | 2.4 | 5.0 | 5.0 | 5.0 | 5.0 | 2.4 |

# TOKTU4.SCH

| MODE | PINS OF IC002 | | |
|---|---|---|---|
| | 7 | 8 | 9 |
| FM-STR | 1 | 0 | 1 |
| FN-MONO | 1 | 0 | 0 |
| MW | 0 | 1 | X |
| LW | 1 | 1 | X |

IC003 TA7358P

| PIN | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | VCC |
|---|---|---|---|---|---|---|---|---|---|---|
| VOL (V) | 0.9 | 1.6 | VCC | 1.6 | GND | VCC | 4.4 | 4.8 | VCC | 5.1 |



Thomson Consumer Electronics, Inc.

#####55036710

UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING:-
APPLIED PRACTICES | SURFACES ✓ | TOLERANCES ON MACHINED PARTS: FRACTIONS ± | DECIMALS ± | ANGLES ±

TITLE
SCHEMATIC MAIN BD

FIRST MADE FOR CRKD1287 PAPER SIZE: C SIZE

FILENAME:1287AMS1.SCH

IC001 AN7238K

| PIN 4 | PIN 5 | PIN 6 | PIN 7 | PIN 8 | PIN 9 | PIN 10 | PIN 11 | VC |
|---|---|---|---|---|---|---|---|---|
| 2.5 | 5.0 | 5.0 | 0 | 1.2 | 2.5 | 2.5 | 4.4 FT | 5.0 |
| PIN 15 | PIN 16 | PIN 17 | PIN 18 | PIN 19 | PIN 20 | PIN 21 | PIN 22 | |
| 4.4 FT | 4.4 | 5.0 | 5.0 | 5.0 | 5.0 | 1.2 FT | 5.0 | |

+6V
+10V CDPW
MD MUTE
TUNER_PWR
STI
PLL CE
STA_DET
DATA
CLK
TAPE MUTE
TO KEY BOARD
VMAX
CD SYN
TAPE MUTE
STA_DET
STI
TUNER-L
TUNER-R
+10V_SW
DGND
For European Versions only
For European Versions only
VT
DATA
CLK
PLL_CE
DGND
LAMBIENT

REVISIONS | PRINTS TO

| MADE BY | ZUO WEI | APPROVALS | ENGINEERING | DIV OR DEPT |
|---|---|---|---|---|
| ISSUED | 2-JUN-99 | | GUANG ZHOU | LOCATION |

#####55036710
CONT ON SHEET 2 DR NO. 1

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for software code refer to the current partlist

DTP4 PAGA2

LD
MD
+3V3

CA12 22n
CA11 220u
CA06 120p

RA04 1k0
BD
AC
E
F

DTP9 LASER+
DTP10 LASER-

CA08 10u
CA04 100u
RA02 4R7

TA01 BC858B

RA11 1k27
RA12 453R
RA13 274R
CA03 10n

RU21 47k
RU22 47k
RU26 47k

J26
RC27 47k
CAC 39

F
A
B
E
C
D
LD
MD
FA+
TA+
TA-
FA-
BA01

OPU
TOP11J

MKP11x

MECHADECK
MK11x

TRACKINGMOTOR
DISCMOTOR
TM+
TM-
DM-
DM+

IM01 TDA7473

| | | | |
|---|---|---|---|
| 1 | SV | DRIV | 28 |
| 2 | VSUP | IN1 | 27 |
| 3 | OUT1- | OUT4- | 26 |
| 4 | VS1 | VS4 | 25 |
| 5 | OUT1+ | OUT4+ | 24 |
| 6 | OC | IN4 | 23 |
| 7 | GND | GND | 22 |
| 8 | GND | GND | 21 |
| 9 | ADJ | IN3 | 20 |
| 10 | OUT2+ | OUT3+ | 19 |
| 11 | VS2 | VS3 | 18 |
| 12 | OUT2- | OUT3- | 17 |
| 13 | ST_BY | IN2 | 16 |
| 14 | REG | COMP | 15 |

J28

IN3
IN4
IN2
IN1

RS25 10k
RS26 10k
RS27 10k
RS28 15k

RS21 1k0
RS22 1k5
RS23 910R
RS24 10k

CS11 10n
CS12 10n
CS13 47n
CS14 47n

UB/2

| module | RD08 |
|---|---|
| TCM 125-0 | |
| TCM 125-2 | |
| TCM 125-2RM | |
| TCM 125-5 | X |

RM01 2k43
RM02 1k5
RM03 3k3
RM04 4k7
RS31 150R
RS32 143R

CM05 100n
CM03 470u
CM06 1n0
CS31 100n
CM01 220u
CM02 22n
CM04 100u

+5V
+3V3
VBAT
OC
ST_BY

RP01 0R68
RP02 0R56
RP03 0R68

2SD2012 TP01

RD25 15k
RC01 1k0

CP01 220u
CP02 220u

VBAT= 6.0V ... 12.0V

| module | RC03/BC04 |
|---|---|
| TCM 125-0 | inserted |
| TCM 125-2<br>TCM 125-2AM<br>TCM 125-3 | not inserted |

IC01
ST7CD2Q1G/***

| | RD08 | RU08 |
|---|---|---|
| | | X |
| X | | |

| | RD08 | RU08 |
|---|---|---|
| | | X |
| X | | |

| DRAWN | |
|---|---|
| ON: 24.09.98 | |
| BY: R.NESS | |
| CHECKED | |
| ON: | |
| BY: | |

Schematic_CD8/11J_5X
(electronics for TCM 125-X)

1052085A

THOMSON
optical key modules/components operations
P.O.Box 1307 D-78043 Villingen Germany
Tel (49) 7721/85 01 Fax (49) 7721/852226

DEVELOPMENT DEPT
CMD

PAGE: 1
OF : 2

for software code refer to the current partlist

| module | RC03/BC04 |
|---|---|
| TCM 125-0 | inserted |
| TCM 125-2 | |
| TCM 125-2RM | not inserted |
| TCM 125-5 | |

| module | RD08 | RU08 |
|---|---|---|
| TCM 125-0 | | |
| TCM 125-2 | | X |
| TCM 125-2RM | | |
| TCM 125-5 | X | |

IC01
ST7CD2Q1G/***

IM01
TDA7473

TM01
MAS725

OPU
TOP11J

MECHADECK
MK11x

TRACKINGMOTOR

DISCMOTOR

THIS DRAWING CANNOT BE COMMUNICATED TO UNAUTHORIZED PERSONS COPIED UNLESS PERMITTED IN WRITING

| | | | | |
|---|---|---|---|---|
| 0 | 24.09.98 | MESS | First issue | |
| A | 12.06.98 | MESS | corrected | |
| CHNG | DATE | NAME | DESCRIPTION | |

DRAWN
ON: 24.09.98
BY: R. MESS
CHECKED
ON:
BY:

Schematic_CD8/11J_5X
(electronics for TCM 125-X)

1052085A

THOMSON
optical key modules/components operations
P.O.Box 1267 D-78002 Villingen-Germany
Tel (049) 7721/85 41 Fax (049) 7721/85276

DEVELOPMENT DEPT
CMD

PAGE: 1 OF: 1

PCAD FORMAT DIN A1

THOMSON MULTIMEDIA — AUDIO & COMMUNICATION

| UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING:- | | | | | | |
|---|---|---|---|---|---|---|
| APPLIED PRACTICES | SURFACES | TOLERANCES ON MACHINED PARTS: FRACTIONS | DECIMALS | ANGLES | CONT ON SHEET | SH NO. |
| | √ | ± | ± | ± | | |

TITLE: SCHEMATIC (KEY BD)

FIRST MADE FOR: CRKD1285/87

PAPER SIZE : C SIZE

FILENAME: 1285AKS1.SCH

CONT ON SHEET F SH NO. 1

NOTES:

1. Unless otherwise specified:
   A. All resistor values are in ohms, 1/10w
   B. All Capacitor values are in ?F
2. Voltages are positive with respect to ground under no signal conditions and volume control minimum
3. Replace transistors with type specified from replacement parts list
4. Unless otherwise stated, all voltages taken in radio "on" position
5. * and ⚠ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.

| 1: WAVE DIODE / 0: DC DIODE | 792/1285 | 582/2885 | 885 | 2K | 287/2885 | 1287/85 |
|---|---|---|---|---|---|---|
| VERSION / LOCATION | D721 | D722 | R784 | D720 | D719 | R721 |
| USA | 0 | 0 | 1.5K | 0 | 0 | X |
| EUROPE | 1 | 1 | X | 1 | 1 | 10K |

X701

SHUFFLEMIX REPEATALL 1 DISCS INTRO MW FM LW AM PM — PROG ST — CD TUNER TAPE AUX — RDS BASS ATS SURROUND — MHz KHz

+FIL, -FIL, -30V, GND, +12V, ECO

RDS_QUAL, RDS_DATA, RDS_CLK, MUTE, CDPWR, TUNERPWR, ST1, PLL_CE, SD_STATION, SDATA, SCLK, TAPEMUTE, CD_SYNCHRO, SYSPWR

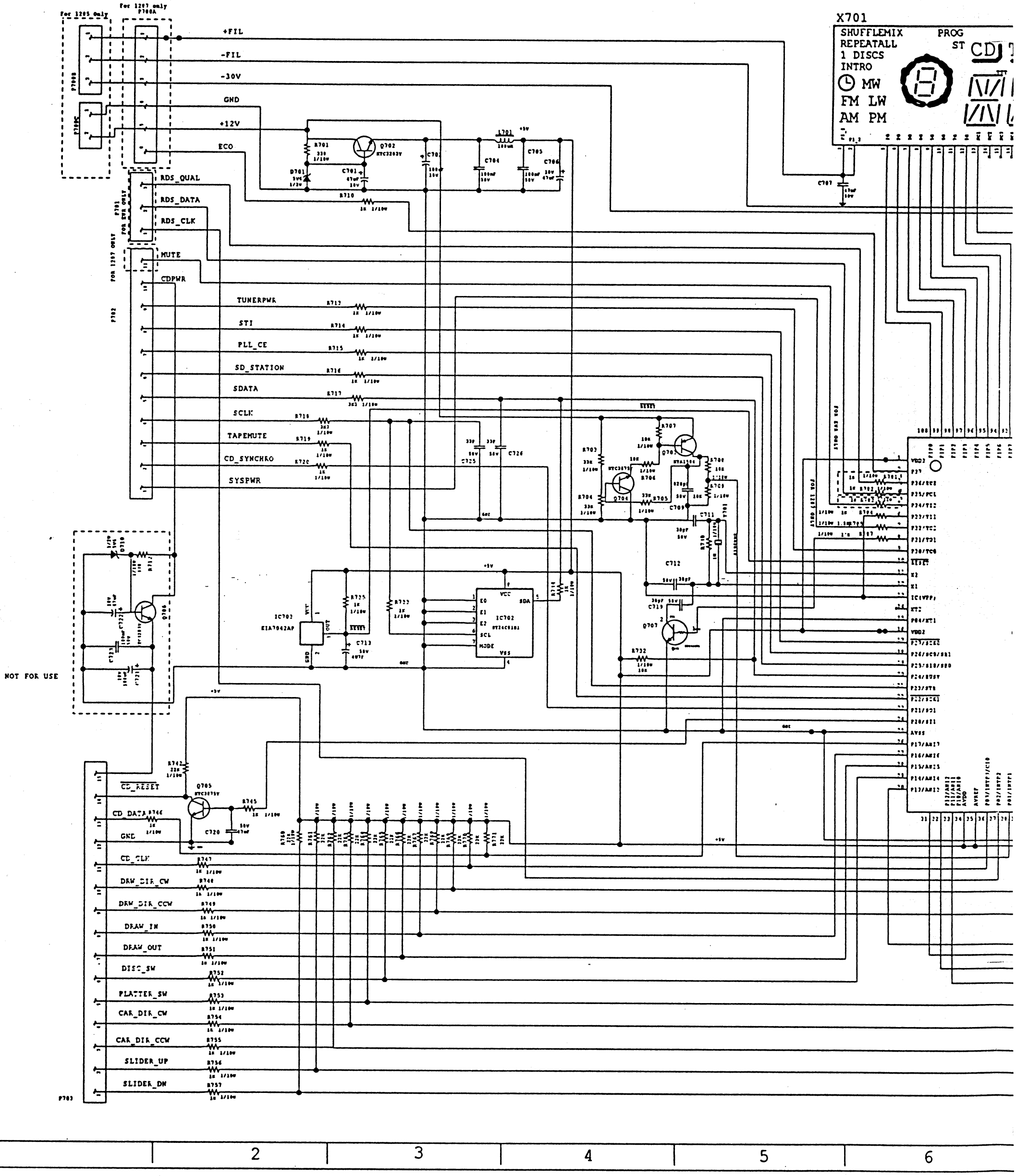
NOT FOR USE

CD_RESET, CD_DATA, GND, CD_CLK, DRW_DIR_CW, DRW_DIR_CCW, DRAW_IN, DRAW_OUT, DISC_SW, PLATTER_SW, CAR_DIR_CW, CAR_DIR_CCW, SLIDER_UP, SLIDER_DN

REMOTE CONTROL RECEIVE

| REVISIONS | PRINTS TO |
|---|---|
| 1 | |

| MADE BY | YAN TAO | APPROVALS | ENGINEERING | DIV OR DEPT LOCATION | ########5036020 |
|---|---|---|---|---|---|
| ISSUED | 26-SEP-99 | | GUANG ZHOU | | CONT ON SHEET F SH NO. 1 |


For 1205 Only
For 1207 only
P700A
P700B
P700C
+FIL
-FIL
-30V
GND
+12V
ECO
RDS_QUAL
RDS_DATA
RDS_CLK
MUTE
CDPWR
TUNERPWR
STI
PLL_CE
SD_STATION
SDATA
SCLK
TAPEMUTE
CD_SYNCHRO
SYSPWR
P701
FOR EVA ONLY
FOR 1207 ONLY
P702
X701
SHUFFLEMIX
REPEATALL
1 DISCS
INTRO
MW
FM LW
AM PM
PROG
ST
CD
R701
330 1/10W
Q702
BTC3203V
D701
5V6 1/2W
C701
47mF 10V
R710
1K 1/10W
L701
100uH
C704
C705
C706
C707
47mF 10V
R712
1/10W 10K
Q706
C722
C723
C721
NOT FOR USE
IC703
KIA7042AP
R725
1K 1/10W
C713
50V 4mF
R733
1K 1/10W
IC702
BT24C0101
VCC
SDA
E0
E1
E2
SCL
MODE
VSS
R734
1K 1/10W
R707
10K 1/10W
Q703
BTA1204
R703
33K 1/10W
R706
10K 1/10W
Q704
BTC3875
R704
33K 1/10W
R705
33K 1/10W
820pF
C709
C711
30pF 50V
R708
10K 1/10W
C712
30pF 50V
C719
Q707
R732
1/10W 10K
C725
33P 50V
C726
33P 50V
R742
22K 1/10W
CD_RESET
Q705
BTC3875V
R745
1K 1/10W
C720
50V 47mF
CD_DATA
R746
1K 1/10W
GND
CD_CLK
R747
1K 1/10W
DRW_DIR_CW
R748
1K 1/10W
DRW_DIR_CCW
R749
1K 1/10W
DRAW_IN
R750
1K 1/10W
DRAW_OUT
R751
1K 1/10W
DISC_SW
R752
1K 1/10W
PLATTER_SW
R753
1K 1/10W
CAR_DIR_CW
R754
1K 1/10W
CAR_DIR_CCW
R755
1K 1/10W
SLIDER_UP
R756
1K 1/10W
SLIDER_DN
R757
1K 1/10W
P703
R760
1/10W
R761
22K 1/10W
R762
22K 1/10W
R763
22K 1/10W
R764
22K 1/10W
R765
22K 1/10W
R766
22K 1/10W
R767
22K 1/10W
R768
22K 1/10W
R769
22K 1/10W
R770
22K 1/10W
R771
22K 1/10W
+5V
GND
RESET
FOR 1205 ONLY
FOR 1207 ONLY
P1P0
P1P1
P1P2
P1P3
P1P4
P1P5
P1P6
P1P7
VDD2
P37
P36/SDA
P35/SCL
P34/TX2
P33/TX1
P32/TC2
P31/TX0
P30/TC0
RESET
X2
X1
IC(VPP)
XT2
P04/XT1
VDD2
P27/SCK5
P26/SO5/SDA1
P25/SI5/SDA0
P24/SDA4
P23/SYS
P22/SCK1
P21/SO1
P20/SI1
AVSS
P17/AN17
P16/AN16
P15/AN15
P14/AN14
P13/AN13
P12/AN12
P11/AN11
P10/AN10
AVDD
AVREF
P03/INTP1/C10
P02/INTP2
P01/INTP1

THOMSON MULTI MEDIA AUDIO & COMMUNICATION

TMS36036020 CONT ON SHEET F SH NO. 1

UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING:-

| APPLIED PRACTICES | SURFACES | TOLERANCES ON MACHINED PARTS FRACTIONS | DECIMALS | ANGLES |
|---|---|---|---|---|
| | ✓ | ± | ± | ± |

CONT ON SHEET SH NO.

TITLE SCHEMATIC (KEY BD)

FIRST MADE FOR CAKD1285/87 PAPER SIZE : C SIZE

FILENAME: 1285AKS1.SCH

NOTES:

1. Unless otherwise specified:
   A. All resistor values are in ohms, 1/10w
   B. All Capacitor values are in ?F
2. Voltages are positive with respect to ground under no signal conditions and volume control minimum
3. Replace transistors with type specified from replacement parts list
4. Unless otherwise stated, all voltages taken in radio "on" position
5. * and ⚠ indicates critical safety components. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.

| 1: HAVE DIODE 0: NO DIODE / LOCATION / VERSION | 9K/10K | 50K/200K | RDS | LW | 24/12MHz | 1287/85 |
|---|---|---|---|---|---|---|
| | D721 | D722 | R784 | D720 | D719 | R721 |
| USA | 0 | 0 | 1.5K | 0 | 0 | X |
| EUROPE | 1 | 1 | X | 1 | 1 | 10K |

PROG
ST CD TUNER TAPE AUX RDS BASS ATS SURROUND
MHz KHz

IC701 μPD78233467

For OTP Only

REMOTE CONTROL RECEIVE

REVISIONS: 1

| MADE BY | YAN TAO | APPROVALS | ENGINEERING | DIV OR DEPT. | 886685036020 |
|---|---|---|---|---|---|
| ISSUED | 26-SEP-99 | | GUANG ZHOU | LOCATION | CONT ON SHEET F SH NO. 1 |